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NEW BOOKS.

Constructive Text-Book of Practical Mathematics. By H. W. MARSH. Volume IV. Technical Trigonometry. New York: John Wiley & Sons. Pp. 232. $1.50.

This book is quite different from the conventional text on the subject and is designed for those who are to enter industrial work. The author tries to use the student's interests and no doubt those who work it through will know far more real trigonometry than the average student in the subject. Besides trigonometry he will know many things connected with machines and manufacturing which the average student will know nothing about. It is the result of several years' trial in the author's class-room.

A School Course in Geometry. By W. J. DOBBS. London and New York: Longsmans, Green and Co. Pp. 427. $1.00.

This volume is the result of many years of thought and experience by an author who is well fitted for the work. It includes not only elementary geometry, but trigonometry and mensuration, and an introduction to coördinate geometry, including the elements and use of the calculus. Instead of proceeding from the congruence of triangles to establish fundamental geometrical truths the author uses the notions of rotation, translation and folding for which advantages are claimed.

The Algebra of Logic. By LOUIS COUTERAT. Translated by L. G. ROBINSON. Chicago: The Open Court Publishing Co. Pp. 98. $1.50.

This is much the simplest and most concise handling of a subject treated much more extensively and ponderously by other representatives of symbolic logic. It is well fitted to serve as an introduction to the study of mathematical logic. A preface by Philip E. B. Jourdain is of an historical nature and gives a very thorough account of the development of the subject and the various phases of it especially emphasized by the different representatives.

Memorabilia Mathematica or The Philomath's Quotation-Book. By ROBERT E. MORITZ. New York: The Macmillan Company. Pp. 410. $3.00.

The author of this book has done a good work in making such a large and interesting collection of quotations concerning mathematics. They should be interesting not only to teachers and others working in the subject but to those whose interest is but indirect or remote. Anyone would have a keener and better appreciation of the subject after reading this book. It is arranged under the following heads: Definitions and Objects of Mathematics, Nature of Mathematics, Estimates of Mathe-